

**Table C16. Analysis of ribbed mussel replicate samples ( $\mu\text{g/g}$ , wet wt.) from Mill Creek marsh.<sup>1,2</sup>**

Sample ID	Nonane (n-C <sub>9</sub> )	Hexadecane (n-C <sub>16</sub> )	Heptadecane (n-C <sub>17</sub> )	Nonadecane (n-C <sub>19</sub> )	Heneicosane (n-C <sub>21</sub> )	Docosane (n-C <sub>22</sub> )	n-Hentriacontane (n-C <sub>31</sub> )	Dotriacontane (n-C <sub>32</sub> )	Tritriacontane (n-C <sub>33</sub> )	Tetracontane (n-C <sub>34</sub> )	Pentatriacontane (n-C <sub>35</sub> )	Hexatriacontane (n-C <sub>36</sub> )	Heptatriacontane (n-C <sub>37</sub> )	Octatriacontane (n-C <sub>38</sub> )	Nonatriacontane (n-C <sub>39</sub> )	Tetracontane (n-C <sub>40</sub> )	Total Petroleum Hydrocarbons <sup>4</sup>
197020427	0.46	nd	0.16	0.20	0.88	nd	0.15	0.25	0.27	0.30	0.34	0.33	0.33	0.26	0.20	0.12	58.8
197020428	0.40	nd	0.16	nd	0.97	1.02	nd	0.20	0.22	0.27	0.32	0.32	0.32	0.26	0.19	0.12	64.5
197020429	0.96	0.15	0.17	nd	1.22	0.71	0.40	1.43	0.82	0.32	0.32	0.32	0.30	0.25	0.19	0.12	128
Mean	0.61	< MDL	0.16	< MDL	1.02	0.69	0.20	0.63	0.44	0.30	0.33	0.32	0.31	0.25	0.19	0.12	83.7
Std Deviation	0.31	-	0.01	-	0.18	0.34	0.18	0.70	0.33	0.02	0.01	0.01	0.02	0.004	0.01	0.002	38.3
%RSD <sup>3</sup>	50.5	-	5.8	-	17.4	49.2	88.4	110.9	75.9	7.4	3.3	2.7	4.9	1.6	3.8	1.9	45.8
MDL	0.24	0.09	0.08	0.11	0.38	0.68	0.11	0.14	0.11	0.09	0.10	0.10	0.18	0.08	0.06	0.06	53.6

<sup>1</sup> This ribbed mussel from Mill Creek marsh was the longest (100.5 mm) and heaviest (35.2 g) collected in the Arthur Kill and provided enough tissue for triplicate analysis.

<sup>2</sup> The hydrocarbons n-C<sub>10</sub> through n-C<sub>15</sub>, n-C<sub>18</sub>, n-C<sub>20</sub>, and n-C<sub>23</sub> through n-C<sub>30</sub> plus pristane and phytane were not detected in any mussel replicate samples and were not included in this table.

<sup>3</sup> %RSD - Percent relative standard deviation.

<sup>4</sup> Determined from the total peak areas in the chromatogram from n-C<sub>8</sub> to n-C<sub>40</sub> minus any contributions from the internal standard areas.